



Docket No: 15689.69

In re application of

For: APPARATUS AND METHOD FOR
ACQUISITION OF COMMUNICATION
QUALITY

Art Unit
2681

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Technology Center 2600

The undersigned, Yoshitaro Shimanuki, declares: that he is the Intellectual Property Executive Manager of NTT DoCoMo, Inc., and that he is authorized to execute this Revocation and Substitute Power of Attorney on behalf of NTT DoCoMo, Inc.; and that NTT DoCoMo, Inc. is the assignee of the entire interest of the above-identified application, as shown by the assignment recorded in the United States Patent Office at Reel 011687, Frame 0513, a copy of said assignment is attached at Exhibit A hereto; and that the attached assignment has been reviewed by him, and to the best of his knowledge and belief title is in the assignee NTT DoCoMo, Inc.. The assignee, NTT DoCoMo, Inc., hereby revokes all previous powers of attorney in the above-identified application, and now hereby appoints all attorneys under customer number:



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PATENT TRADEMARK OFFICE

of WORKMAN, NYDEGGER & SEELEY, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 84111, as attorneys with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the Letters Patent, and to transact all business in the Patent and Trademark Office connected therewith. The declarant further declares that all statements made herein of his own knowledge are true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon. All correspondence and telephonic communications should be directed to:

ADRIAN J. LEE
WORKMAN, NYDEGGER & SEELEY
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

All previous powers of attorney are hereby revoked.

Signed this 30 day of September, 2002.

Yoshitaro Shimanuki

Yoshitaro Shimanuki
Intellectual Property Executive Manager
NTT DoCoMo, Inc.
11-1, Nagatacho 2-Chome
Chiyoda-Ku
Tokyo 100-6150, Japan



UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JUNE 26, 2001

PTAS

BROWN RAYSMAN MILLSTEIN ET AL.
RALPH F. HOPPIN
120 W. 45TH ST
NEW YORK, NY 10036



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**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/04/2001

REEL/FRAME: 011687/0513
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
MORI, SHINICHI

DOC DATE: 03/23/2001

ASSIGNOR:
IMAI, TETSURO

DOC DATE: 03/23/2001

ASSIGNOR:
ISHIKAWA, YOSHIHIRO

DOC DATE: 03/23/2001

ASSIGNOR:
IWAMURA, MIKIO

DOC DATE: 03/23/2001

ASSIGNEE:
NTT DOCOMO, INC.
11-1 NAGATACHO 2-CHOME, CHIYODA-KU
TOKYO, JAPAN 100-6150

SERIAL NUMBER: 09825817
PATENT NUMBER:

FILING DATE: 04/04/2001
ISSUE DATE:

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011687/0513 PAGE 2

JOANN STEWART, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

04-20-2001

ER



To the Honorable Commissioner of Patents and Trademarks

101677145

Send original documents or copy thereof.

1. Name of conveying party(ies):
Shinichi MORI; Tetsuro IMAI; Yoshihiro ISHIKAWA;
Mikio IWAMURA

2. Name and address of receiving party(ies):

Name: NTT DoCoMo, Inc.

Internal Address:

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other _____

Street Address: 11-1 Nagatacho 2-chome,
Chiyoda-ku

City: Tokyo Country: Japan ZIP: 100-6150

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: March 23, 2001

4. Application number(s) or patent number(s)

If this document is being filed together with a new application, the execution date of the application is: April 4, 2001

A. Patent Application No.(s)

B. Patent No.(s)

04/06/2001 H/E333 00000055 09825817

02 FC:581

40.00 DP

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom
correspondence concerning document should be
mailed:

**BROWN RAYSMAN MILLSTEIN FELDER &
STEINER LLP**

120 West 45th Street

New York, New York 10036

(212) 944-1515

6. Total number of applications and patents
involved: 1

7. Total fee (37 CFR 3.41):..... \$ 40.00

☒ Check enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number: 02-4270

(Attach duplicate copy of this page by deposit account)

Please charge any additional fees required, or credit any
overpayment, to the above deposit account

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached
copy is a true copy of the original document.*

Ralph F. Hoppin, Reg. #38,494

Name of Person Signing

Ralph F. Hoppin
Signature

April 4, 2001
Date

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231

ASSIGNMENT

WHEREAS, we, 1) Shinichi MORI, 2) Tetsuro IMAI, 3) Yoshihiro ISHIKAWA and 4) Mikio IWAMURA

a citizen of Japan,

residing at ^{6-1-603 J.M.}
1) ~~4~~1, Hikarinooka, Yokosuka-shi, Kanagawa 239-8536, Japan
2) 4-18-4-303, Nobi, Yokosuka-shi, Kanagawa 239-0841, Japan
3) 4-18-4-503, Nobi, Yokosuka-shi, Kanagawa 239-0841, Japan
4) 1-8-62-101, Kotsubo, Zushi-shi, Kanagawa 249-0008, Japan

have invented one or more inventions (hereinafter referred to as "said invention(s)") disclosed in an application for Letters Patent of the United States titled

APPARATUS AND METHOD FOR ACQUISITION OF COMMUNICATION QUALITY

(hereinafter referred to as "said application"), said application having been executed on even date herewith or filed on _____ and assigned application Serial No. _____.

WHEREAS, NTT DoCoMo, Inc.,
(hereinafter together with its successors and assigns referred to as "the Assignee"), a Japanese corporation, having a place of business at

11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150, Japan

is desirous of obtaining all right, title and interest in, to and under said invention(s) and said application; and

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which we hereby acknowledge, we have sold, assigned, transferred and set over, and by these presents hereby sell, assign, transfer and set over to the Assignee all right, title and interest in, to and under said invention(s) and said application, including the right to apply for any Letters Patent of the United States of America and in any and all foreign countries on said invention(s), and any and all other applications for Letters Patent on said invention(s), in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part and convention applications based in whole or in part upon said invention(s) or upon said application, and any and all Letters Patent which may issue thereon in the United States and foreign countries, and any and all reissues, extensions, renewals, divisions, continuations or continuations-in-part of Letters Patent granted for said invention(s) or upon said applications, to the full term or terms for which said Letters Patent may be issued, and every priority right that is or may be predicated upon or arise from said invention(s), said application and said Letters Patent, the same to be held and enjoyed by the Assignee for its own use and benefit fully and entirely as if the same would have been held and enjoyed by us had this Assignment not been made. We hereby authorize the Assignee to file patent applications in any and all countries on any or all of said invention(s) in our names, or in its name, or otherwise as the Assignee may deem advisable, under the International Convention or otherwise.

We hereby authorize the Commissioner of Patents and Trademarks of the United States, and any official of any other country empowered to issue patents, to record this Assignment, and to issue or transfer all said Letters Patent on said invention(s) to the Assignee as owner of all right, title and interest therein, or otherwise as the Assignee may direct, in accordance with the terms of this Assignment.

We hereby represent and warrant that we have the full right to convey the entire right and interest herein assigned, that there are no rights or interests outstanding inconsistent with the rights and interests granted herein, and that we will not execute any instrument or grant or transfer any rights or interests inconsistent with the rights and interests granted herein.

We hereby covenant and agree that we will, upon request of the Assignee, communicate to the Assignee any facts known to us relating to said invention(s) and the history thereof, testify in any legal proceeding, execute all lawful papers including without limitation all divisional, continuing and reissue applications and all rightful oaths and declarations, and generally do all further acts which may be deemed necessary by the Assignee to obtain and enforce proper patent protection for said invention(s) in all countries.

IN TESTIMONY WHEREOF, we have executed this document on the date indicated below.

Date: March 23, 2001

Shinichi Mori
(Signature) Shinichi MORI

Date: March 23, 2001

Tetsuro Imai
(Signature) Tetsuro IMAI

Date: March 23, 2001

Yoshihiro Ishikawa
(Signature) Yoshihiro ISHIKAWA

Date: March 23, 2001

Mikio Iwamura
(Signature) Mikio IWAMURA



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

in re application of

Shinichi Mori et al.

Serial No.: 09/825,817

Filing Date: April 4, 2001

Confirmation No.: 2927

For: APPARATUS AND METHOD FOR
ACQUISITION OF COMMUNICATION
QUALITY

Art Unit
2681

CHANGE OF ATTORNEY DOCKET NUMBER

Honorable Commissioner of Patents
and Trademarks
Washington, D. C. 20231

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OCT 30 2002

Technology Center 2600

Sir:

For convenience and ready identification of the papers received in connection with the above-identified patent application, please reference in all future communications my Docket No. 15689.69. All communications should remain addressed to the undersigned:

ADRIAN J. LEE
WORKMAN, NYDEGGER & SEELEY
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111
(801) 533-9800

Dated this 25th day of October, 2002.

Respectfully submitted,



ADRIAN J. LEE
Attorney for Applicant
Registration No. 42,785



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AJL:jri